## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/005003

	ATION OF SUBJECT MATTER H01L33/00		
According to Inte	ernational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SE.	ARCHED		
Int.Cl <sup>7</sup>	nentation searched (classification system followed by class H01L33/00, H01S5/00-5/50		
Jitsuyo Kokai Ji	itsuyo Shinan Koho 1971-2005 Tor	suyo Shinan Toroku Koho oku Jitsuyo Shinan Koho	1996-2005 1994-2005
Electronic data b	ase consulted during the international search (name of da	ata base and, where practicable, search te	rms used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
Y Y	JP 2003-031552 A (Sharp Corp. 31 January, 2003 (31.01.03), Par. Nos. [0018] to [0021], [Fig. 2 (Family: none)		1-5,7-8, 15-18 9,13-14, 19-20
X Y	JP 11-214798 A (Nichia Chemic Ltd.), 06 August, 1999 (06.08.99), Par. Nos. [0056], [0059], [00 Figs. 1 to 4 (Family: none)		1-12,15-18 13-14,19-20
X Y	US 2004/0041156 A1 (TSUDA et 04 March, 2004 (04.03.04), Par. Nos. [0163] to [0178]; F & WO 2002/065556 A1 & JP	ig. 1	1-2,7-9, 15-18 13-14,19-20
× Further de	ocuments are listed in the continuation of Box C.	See patent family annex.	
* Special cate "A" document of to be of par "E" earlier applifiling date "L" document of cited to est special reas "O" document rease "P" document profits  Date of the actument of the priority	Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international  "T" later document published after the international filing date or prior date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance: the claimed invention cannot be		cation but cited to understand invention claimed invention cannot be idered to involve an inventive esclaimed invention cannot be step when the document is a documents, such combination le art family
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 005656832 A (OHBA et al.), 12 August, 1997 (12.08.97), Column 7, line 48 to column 12, line 67 & US 005929466 A & US 005909040 A & JP 07-249795 A	13-14
Y	JP 2000-174341 A (Matsushita Electric Industrial Co., Ltd.), 23 June, 2000 (23.06.00), Par. Nos. [0040] to [0052]; Fig. 1 (Family: none)	19
Y	US 006340824 Bl (KOMOTO et al.), 22 January, 2002 (22.01.02), Column 13, line 63 to column 16, line 10; column 18, line 62 to column 19, line 27; column 19, line 64 to column 20, line 54; Figs. 9, 12 to 13 & US 2002/0088985 Al & US 2002/0079506 Al & JP 11-087778 A	20
Y	JP 2002-329896 A (Kansai TLO Kabushiki Kaisha), 15 November, 2002 (15.11.02), Par. Nos. [0002] to [0003], [0020] to [0031]; Figs. 3 to 5 (Family: none)	20